

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J20/04 B01J20/34 B01D53/62

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/080223 A (CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS) 2 October 2003 (2003-10-02) the whole document	1-5,7
A	US 4 226 839 A (E.P. O'NEILL) 7 October 1980 (1980-10-07) column 3, line 24 - line 35 column 3, line 51 - column 5, line 40	1-5
A	GB 2 291 051 A (AGENCY IND SCIENCE TECHN) 17 January 1996 (1996-01-17) page 4, line 33 - page 7, line 2	1-7
A	US 6 309 996 B1 (L-S. FAN) 30 October 2001 (2001-10-30) claim 1	1-5
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*G\* document member of the same patent family

Date of the actual completion of the International search

9 August 2004

Date of mailing of the International search report

30/08/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/037246 A1 (C. BEAL) 28 March 2002 (2002-03-28) page 2, paragraph 18 - paragraph 23	8-18
A	US 2003/007918 A1 (FAN LIANG-SHIH ET AL) 9 January 2003 (2003-01-09) page 2, paragraph 24 - page 3, paragraph 27	8-18
A	US 4 900 533 A (MALDEN PETER J) 13 February 1990 (1990-02-13) cited in the application	8-18
A	US 4 312 280 A (TURNER CLARENCE B ET AL) 26 January 1982 (1982-01-26) cited in the application column 4, line 5 - line 17	8-18
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 03/01759

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